

## EARTHQUAKES FELT IN THE UNITED STATES DURING 1919.

(Consult also Chart XVII in this issue.)

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During the year 1919, 86 separate earthquakes strong enough to be noticeable to the senses were reported from different parts of the continental United States, as listed in the accompanying table, and graphically represented (a dot for each report) on Chart XVII at the end of this issue of the REVIEW.

Earthquakes of moderate intensities, V-VI (adapted Rossi-Forel scale), accompanied by slight damage or none at all, occurred in Arkansas on November 3; in California on January 25, February 10, 16, 19, 25, March 27, May 2, June 21, 24, July 20, September 12, 15, October 1, 2, and November 25; in Indiana on May 25; in Kansas on May 27; in New Mexico on February 1; and in Virginia on September 5.

The Virginia earthquake, of greatest intensity in the vicinity of Front Royal, Va., is fully treated in the MONTHLY WEATHER REVIEW for November, 1919, page 839.

## Places in the United States reporting earthquakes during 1919.

(Consult also Chart XVII in this issue.)

Place.	Approximate latitude N.	Approximate longitude W.	Number of quakes reported.
<b>ARIZONA.</b>			
Flagstaff.....	35 12	111 37	1
<b>ARKANSAS.</b>			
Ravenden.....	36 30	91 11	1
<b>CALIFORNIA.</b>			
Aguanga.....	33 30	117 00	1
Amos.....	33 05	115 16	3
Anderson.....	40 30	123 22	1
Bakersfield.....	35 22	119 00	2
Barrett.....	32 43	116 46	2
Berkeley.....	37 52	122 16	3
Bishop.....	32 22	118 24	1
Brawley.....	32 59	115 40	2
Calexico.....	32 41	115 30	23
Centerville.....	37 30	123 00	1
Corona.....	33 52	117 35	1
Eureka.....	40 48	124 10	6
Fairmont.....	34 15	118 25	1
Glennville.....	35 45	118 42	2
Hemet.....	33 45	116 45	1
Idria.....	36 24	120 42	1
Imperial.....	33 50	115 35	1
Kennett.....	40 45	122 24	3
Lindsay.....	36 13	119 06	1
Livermore.....	37 40	121 45	1
Lone Pine.....	36 37	118 01	5
Lomoak.....	36 20	120 55	1
Los Angeles.....	34 03	118 15	1
Los Gatos.....	37 12	121 58	2
Lucerne Valley.....	31 27	116 57	1

## Places in the United States reporting earthquakes during 1919—Con.

Place.	Approximate latitude N.	Approximate longitude W.	Number of quakes reported.
<b>CALIFORNIA—continued.</b>			
Maricopa.....	35 05	119 23	3
Napa.....	38 18	122 20	2
Ojai.....	34 25	119 12	4
Oak Grove.....	33 28	116 51	1
Oakland.....	37 48	122 15	2
Paso Robles.....	35 40	120 45	1
Peachland.....	38 23	122 48	1
Petaluma.....	38 15	122 38	2
Point Reyes.....	38 02	122 59	1
Redding.....	40 35	122 25	1
Redlands.....	34 04	117 12	1
Riverside.....	33 58	117 21	1
Salinas.....	36 36	121 40	3
St. Helena.....	38 41	122 30	1
San Diego.....	32 43	117 10	1
San Francisco.....	37 48	122 26	4
San Jose.....	37 15	121 53	1
San Luis Obispo.....	35 18	120 39	3
San Pedro.....	32 45	118 14	2
Santa Barbara.....	34 23	119 40	1
Santa Cruz.....	36 55	122 00	1
Santa Rosa.....	38 30	122 45	1
Spreckles.....	36 35	121 38	1
Springville.....	36 07	118 50	1
Squirrel Inn.....	34 07	117 19	1
Stanford Univ.....	37 28	122 12	2
Vallejo.....	38 07	122 18	1
<b>ILLINOIS.</b>			
McLeansboro.....	38 07	88 33	1
Cairo.....	37 00	89 10	1
Mount Carmel.....	38 25	87 48	1
Oiley.....	38 03	88 07	1
Springfield.....	39 18	89 39	1
<b>INDIANA.</b>			
Bonneville.....	38 04	87 16	1
Evansville.....	37 58	87 33	1
Mount Vernon.....	37 56	87 54	1
New Harmony.....	38 03	85 56	1
Petersburg.....	38 31	87 15	1
Princeton.....	38 23	87 34	1
Vincennes.....	38 42	87 32	1
Washington.....	38 40	87 11	1
<b>KANSAS.</b>			
Wichita.....	37 41	97 20	2
<b>KENTUCKY.</b>			
Hickman.....	36 34	89 12	4
Bardwell.....	36 52	89 01	1
Louisville.....	38 15	85 45	1
Taylorsville.....	38 02	85 21	1
<b>MISSOURI.</b>			
New Madrid.....	36 35	89 32	1
<b>NEW MEXICO.</b>			
Socorro.....	34 08	106 48	1
<b>OREGON.</b>			
Bullrun.....	45 30	122 12	1
<b>TENNESSEE.</b>			
Tiptonville.....	36 24	89 30	1
<b>UTAH.</b>			
Moroni.....	39 32	111 30	1
<b>VIRGINIA.</b>			
Front Royal.....	38 55	78 10	1

Ogden XVI. Heartbreakers of 1919.

